

Reply to Office Action dated December 30, 2008

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A driving apparatus for a plasma display panel, comprising:

a set-up supplier for supplying ~~a rising ramp waveform~~ ~~an initialing pulse~~ to scan electrodes in an initialization period and for supplying a positive enhancing pulse to the scan electrodes during an enhancing period following said initialization period, wherein the ~~rising ramp waveform~~ ~~initialing pulse~~ increases to a peak voltage and the positive enhancing pulse has a maximum voltage less than the peak voltage; and

a negative voltage supplier for supplying a ~~falling ramp waveform~~ ~~decreasing pulse~~ to the scan electrodes in the initialization period and for supplying a negative enhancing pulse to the scan electrodes during the enhancing period.

2-8. (Canceled)

Reply to Office Action dated December 30, 2008

9. (Currently Amended) A plasma display device comprising:

a plasma display panel (PDP) having scan electrodes and sustain electrodes to form a plurality of electrode pairs; and

a first driving circuit that initializes discharge cells by applying a first signal having ~~a first gradually rising waveform~~ ~~an initialing pulse~~ to the scan electrodes during a reset period of at least one sub-field, the ~~first gradually rising waveform~~ ~~initialing pulse~~ increasing to a first maximum voltage value, wherein the ~~first signal further has a first decreasing pulse provided after the initialing pulse during the reset period of the at least one sub-field~~;

wherein the first driving circuit applies a second signal having ~~a second gradually rising waveform~~ ~~an enhancing pulse~~ to the scan electrodes after applying the first signal in the reset period and before an address period of the at least one sub-field, ~~wherein the second signal further has a second decreasing pulse provided after the enhancing pulse in the at least one sub-field~~, the ~~second gradually rising waveform~~ ~~enhancing pulse~~ increasing to a second maximum voltage value less than the first maximum voltage value, ~~wherein the first decreasing pulse is provided until a voltage provided to the scan electrodes reaches a first voltage value, and the second decreasing pulse is provided until the voltage provided to the scan electrodes reaches a second voltage value, wherein the first and second voltage values are different~~.

10. (Previously Presented) The plasma display device as set forth in claim 9, wherein the second maximum voltage value is lower than a sustain voltage applied to the scan electrodes or applied to the sustain electrodes in a sustain period of the at least one sub-field.

Reply to Office Action dated December 30, 2008

11. (Previously Presented) The plasma display device as set forth in claim 9, wherein a difference between the first maximum voltage value and the second maximum voltage value is substantially the same as a sustain voltage applied to the scan electrodes or the sustain electrodes in a sustain period of the at least one sub-field.

12. (Currently Amended) The plasma display device as set forth in claim 9, wherein a slope of the ~~first gradually rising waveform initialing pulse~~ is substantially the same as a slope of the ~~second gradually rising waveform enhancing pulse~~.

13. (Currently Amended) The plasma display device as set forth in claim 9, wherein a ground voltage is applied to the sustain electrodes when the ~~second gradually rising waveform enhancing pulse~~ is applied to the scan electrodes.

14-16. (Canceled)

17. (Currently Amended) The plasma display device of claim [[16]]2, wherein the second voltage value is greater than the first voltage value.

18. (Currently Amended) The plasma display device as set forth in claim [[14]]2, wherein a voltage substantially similar to a sustain voltage provided to the scan electrodes or to

Reply to Office Action dated December 30, 2008

the sustain electrodes during a sustain period is provided to the sustain electrodes when the first gradually falling waveform decreasing pulse is applied to the scan electrodes.

19. (Currently Amended) A method of driving a plasma display panel based on a plurality of sub-fields, the plasma display panel having a plurality of discharge cells, and each of the cells having a scan electrode and a sustain electrode, the method comprising:

providing a first signal including a first ramp-up signal an initialing pulse followed by a first decreasing pulse to the scan electrode during an initialization period of at least one sub-field;

providing a second signal including a second ramp-up signal an enhancing pulse followed by a second decreasing pulse to the scan electrode after providing the first signal and during the at least one sub-field, wherein a lowest voltage of the first decreasing pulse is less than a lowest voltage of the second decreasing pulse;

providing a scan signal to the scan electrode during an address period of the at least one sub-field, the scan signal being provided after the second signal in the at least one sub-field;

providing at least one sustain signal to at least one of the scan electrode or the sustain electrode during a sustain period of the at least one sub-field,

wherein the first ramp-up signal initialing pulse of the first signal has a first peak voltage value, and the second ramp-up signal enhancing pulse of the second signal has a second

peak voltage value, and wherein the first peak voltage value is greater than the second peak voltage value.

20-22. (Canceled)

23. (Previously Presented) The method of claim 19, wherein a ground voltage is provided to the sustain electrode when the second signal is provided to the scan electrode.

24. (Previously Presented) The method of claim 19, wherein a sustain voltage is provided to the sustain electrode when the first signal is provided to the scan electrode.

25. (Canceled)